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effect of mitomycin C on keloid fibroblasts: an in vitro study (Simman et al), 2003;50:71

#### Skin substitute

simple approach to the radiated scalp wound using INTEGRA skin substitute (Gonyon and Zenn), 2003;50:315(Case report)

### Soft-tissue defects

one-stage reconstruction of soft tissue and Achilles tendon defects using a composite free anterolateral thigh flap with vascularized fascia lata: clinical experience and functional assessment (Kuo et al), 2003;50:148

pedicle or free musculocutaneous flaps for shoulder defects after oncological resection (Ihara et al), 2003;50:361

# Soleus muscle flap

reconsidering the soleus muscle flap for coverage of wounds of the distal third of the leg (Beck et al), 2003;50:631

### Speech

short-term and long-term results of speech improvement after surgery for velopharyngeal insufficiency with pharyngeal flaps in patients younger and older than 6 years old: 10-year experience, 2003;50:13

#### Spitz nevus

nodal metastatic melanoma in the neck of a 4-yearold girl after diagnosis of Spitz nevus of the cheek (Reynolds et al), 2003;50:555

### Squamous cell carcinoma

free anterolateral thigh perforator flap for reconstruction of dystrophic epidermolysis bullosa-associated squamous cell carcinoma in the foot (Hsieh et al), 2003;50:201(Case report)

#### Stem cells

biological alchemy: engineering bone and fat from fat-derived stem cells (Lee et al), 2003;50:610

### Subglanular stricture

subglanular stricture: rare penile anomaly resulting from circumcision (Coban), 2003;50:198(Case report)

### Surgical competence

use of suturing as a measure of technical competence (Khan et al), 2003;50:304

#### **Suture suspension**

clinical analysis of malar fat pad re-elevation (de la Torre et al), 2003;50:244

# Suture techniques

use of suturing as a measure of technical competence (Khan et al), 2003;50:304

### **Swallowing**

swallowing function in patients who underwent hemiglossectomy: comparison of primary closure and free radial forearm flap reconstruction with videofluoroscopy (Hsiao et al), 2003;50:450

# **Tachyphylaxis**

tachyphylaxis and the sequential use of nerve blocks (Karacalar et al), 2003;50:442(Letter)

### Temporalis muscle

orbital reconstruction after exenteration: use of a transorbital temporal muscle flap (Menon et al), 2003:50:38

#### **Teratoma**

cleft palate with congenital midline teratoma (Liang et al), 2003;50:550(Case report)

### **Thrombocytosis**

reactive thrombocytosis without endothelial damage does not affect the microvascular anastomotic patency (Kuo et al), 2003;50:57

#### **Thrombosis**

short-term postoperative flow changes after free radial forearm flap transfer: possible cause of vascular occlusion (Ichinose et al), 2003;50:160

### Tips and techniques

easy method of capturing microscopical images by using a consumer-type digital camera (Sönmez et al), 2003;50:204(Tips and techniques)

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modification of split-thickness skin graft: cosmetic donor site and better recipient site (Chuenkongkaew), 2003;50:212(Tips and techniques)

rotation flap of the anterior rectus abdominis sheath for hernia prevention in TRAM breast reconstruction (Amir et al), 2003;50:207(Tips and techniques)

### Tissue adhesive

seroma prevention using an albuminglutaraldehyde-based tissue adhesive in the rat mastectomy model (Menon et al), 2003;50:639 use of octyl-2-cyanoacrylate in cleft lip repair (Magee et al), 2003;50:1

# Tissue-engineered skin

surgical treatment of recessive dystrophic epidermolysis bullosa in the hand: uses of tissue-engineered skin (Apligraf) (Phillips and Rockwell), 2003;50:441(Letter)

### Tissue engineering

biological alchemy: engineering bone and fat from fat-derived stem cells (Lee et al), 2003;50:610

### Tissue expansion

preoperative pneumoperitoneum used for tissue expansion before abdominal wall reconstruction (Braye et al), 2003;50:649(Case report) tissue expansion after inverted-T mammaplasty: can it be performed successfully? (Kilgo et al), 2003;50:588

### Tissue regeneration

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### Tongue furrowing

Melkersson-Rosenthal syndrome in the periocular area: a review of the literature and case report (Shapiro et al), 2003;50:644(Case report)

### TRAM. see also Flap

### TRAM flap

effects of abdominal midline incision on the survival of the transverse rectus abdominis musculocutaneous flap in the rat model (Han et al), 2003;50:171

free perforator crossover tram flap for breast reconstruction (Lam et al), 2003;50:126

influence of vascular delay on abdominal wall complications in unipedicled TRAM flap breast reconstruction (Rickard et al), 2003;50:138

use of internal mammary vessel perforator as a recipient vessel for free TRAM breast reconstruction (Park et al), 2003;50:132

### Transfusion

transfusion requirements for TRAM flap postmastectomy breast reconstruction (Tzilinis et al), 2003;50:623

# Transplantation

first successful replantation of face and scalp with single-artery repair: model for face and scalp transplantation (Wilhelmi et al), 2003;50:535(Case report)

influence of nerve stump transplantation into a vein on neuroma formation (Koch et al), 2003;50:

### Trismus

surgical correction of trismus in a child with Hecht syndrome (Lefaivre and Aitchison), 2003;50:310(Case report)

#### Ulnar nerve

patient self-reported outcome after ulnar nerve transposition (Dellon), 2003;50:665(Letter)

#### **Upchurch** Lecture

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#### Urethra

glans, urethra, and corporeal body reconstruction by free osteocutaneous forearm flap transfer (Santanelli and Paolini), 2003;50:545(Case report)

### Urethrocutaneous fistula

outpatient urethrocutaneous fistula repair with local anesthesia in adult patients (Şahin et al), 2003:50:378

# Vaginal delivery

obstetric mandibular fracture during episiotomy in vaginal delivery (Akbaş et al), 2003;50:440(Letter)

### Velopharyngeal insufficiency

short-term and long-term results of speech improvement after surgery for velopharyngeal insufficiency with pharyngeal flaps in patients younger and older than 6 years old: 10-year experience, 2003;50:13

### Videofluoroscopy

swallowing function in patients who underwent hemiglossectomy: comparison of primary closure and free radial forearm flap reconstruction with videofluoroscopy (Hsiao et al), 2003;50:450

#### Vulvar cancer

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### **Vulvo-perineal reconstruction**

vulvo-perineal reconstruction: medial thigh septofascio-cutaneous island flap (Persichetti et al), 2003;50:85(Case report)

### Wounds

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honey-medicated dressing: transformation of an ancient remedy into modern therapy (Ahmed et al), 2003;50:142

reconsidering the soleus muscle flap for coverage of wounds of the distal third of the leg (Beck et al), 2003;50:631

single-stage Achilles tendon reconstruction using a composite sensate free flap of dorsalis pedis and tendon strips of the extensor digitorum longus in a complex wound (Kim et al), 2003;50:653(Case report)

# Xanthalasma palpebrarum

new operative technique for treatment of xanthelasma palpebrarum: laser-inverted resurfacing: preliminary report (Levy and Trelles), 2003;50:339

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juvenile xanthogranuloma invading the muscles in the head and neck: clinicopathological case report (Margulis et al), 2003;50:425(Case report)



